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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/660,989	09/12/2003	Jerry W. Rodgers	POW5381.01A2	6096
8156	7590	04/26/2006	EXAMINER	
JOHN P. O'BANION O'BANION & RITCHEY LLP 400 CAPITOL MALL SUITE 1550 SACRAMENTO, CA 95814			BRADEN, SHAWN M	
			ART UNIT	PAPER NUMBER
			3727	

DATE MAILED: 04/26/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 10/660,989	Applicant(s) RODGERS ET AL.	
	Examiner Shawn M. Braden	Art Unit 3727	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 17 February 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-34 is/are pending in the application.
- 4a) Of the above claim(s) 6,8,19,26 and 28 is/are withdrawn from consideration.
- 5) ☒ Claim(s) 15-18 and 20 is/are allowed.
- 6) ☒ Claim(s) 1-3,7,12,13,14,21-23,28,32-34 is/are rejected.
- 7) ☒ Claim(s) 4,5,9-11,24,25,27 and 29-31 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☒ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1-3,13,14,21-23 and 33 are rejected under 35 U.S.C. 103(a) as being unpatentable over Bohm (USPN 6,520,104) in view of McGarvey (USPN 4,989,750), Dodson (USPN 5,960,981) and Legare (USPN 6,686,003). Bohm clearly shows a base tank for storing flammable and combustible liquids and supporting a generator (fig 1), Bohm also shows an interstitial space defined between the walls of the outer tank and the inner tank (fig 5).

Bohm lacks a plurality of planar baffles coupling opposing side walls, Bohm also lacks fire resistant material disposed on the outside of outer tank, Bohm also lacks a fire resistant solution disposed in the interstitial space wherein the fire resistant solution remains liquid and is removable from said interstitial space in liquid form.

Dodson teaches a tank baffle aiding in the structural strength of a vehicle tank. McGarvey teaches fire resistant material disposed on the outside of outer tank to improve safety 243. McGarvey also teaches fire resistant solution disposed in the interstitial space for improved safety 221a,221b,221c. Fire resistant solution is injected in liquid form then solidifies. Legare teaches a liquid fire resistant solution of water glass and a hydrated salt (high temperature silicate gel)(46) that remains liquid and is

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removable in liquid form, Legare uses this gel over foam to keep contents of container below 125 degrees F during a fire in order to keep contents inside from burning (col. 1 ln. 20-30). All of the above prior art references are from the same field of endeavor being high performance fire resistant containers.

Therefore it would have been obvious to one of ordinary skill at the time of the invention was made to add Dodson's baffles to Bohm's tank to in order to increase structural strength. Also, it would have been obvious to one of ordinary skill at the time of the invention was made to add McGarvey's fire resistant material on the outside of outer tank and to add Legare's fire resistant solution in the interstitial space to lower the risk of fire or an explosion.

3. With respect to claims 2,3,22,23 McGarvey discloses steel walls that are about 10 gauge (1/8-1/4 in thick) (Col 2 ln 60-65). That would include inner tank wall of at least about 1/4 inch and an outer wall thickness of at least about 1/4 inch. In regards to the 316 stainless steel.

It has been held to be within the general skill of a worker in the art to select a known material on the basis of its suitability for the intended use as a matter of obvious design choice. *In re Leshin*, 125 USPQ 416.

It was well know in the art that 316 stainless steel has good corrosion resistance, workability and great strength. Therefore it would have been obvious to one of ordinary skill at the time of the invention was made to modify Bohm's tank with the stainless steel walls of McGarvey in order to have a strong corrosion resistant tank.

4. Regarding claims 13 and 33, McGarvey teaches glass fiber walls, are reinforced walls, resin impregnated. He teaches fiberglass walls for lightweight tank construction

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(col2 ln60-64). Therefor it would have been obvious to one of ordinary skill in the art at the time of the invention to add a fiber glass mesh coated with an intumescent paint to Bohm's tank to lower the overall weight of the container in order to improve portability.

5. Regarding claim 14, McGarvey teaches fire resistant material disposed on the outside of outer tank to improve safety. Examiner views this material same as THERMOLAG 3000.

6. Claims 12,32 are rejected under 35 U.S.C. 103(a) as being unpatentable over Bohm, McGarvey and Dodson as applied to claim 1 above, and further in view of Neuscheler (USPN 3,995,168). Bohm as applied in claim one teaches everything except a water detector. Neuscheler teaches a devise to provide a warning signal when an unexpected fluid is present in the tank thereby protecting against situation where water is inadvertently placed or accumulates above a normal amount in an engine fuel tank (col1 ln58-63). Therefore it would have been obvious to one of ordinary skill in the art at the time of the invention to add a water detector such as Neuscheler to Bohm's tank in order to avoid running water contaminated fuel in the accompanying engine.

Allowable Subject Matter

7. Claims 4,5,7,9-11,24-25,27,29-31 objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

8. Claims 15-17 and 20 are allowed.

Response to Arguments

9. Applicant's arguments with respect to claims 1-3,13,14,21-23 and 33 have been considered but are moot in view of the new ground(s) of rejection.


Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Shawn M. Braden whose telephone number is (571)272-8026. The examiner can normally be reached on Mon-Thurs 8-6:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nathan Newhouse can be reached on 571 272-4544. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

SMB


JES F. PASCUA
PRIMARY EXAMINER